

ASC 40 Series

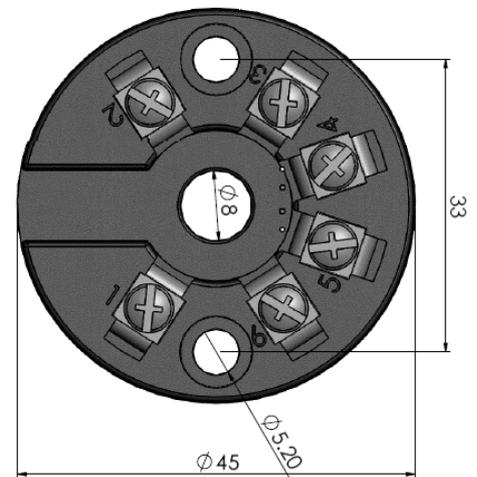


ASC 40 series head-type temperature signal converters are devices that are placed in the slot on the head of resistance thermometer type temperature sensors and convert the temperature information received from these sensors into analog signals such as 4-20mA or 0-10V.

TECHNICAL FEATURES

Supply voltage	2 wire: 7-32VDC 3 wire: 16-30VDC
Measuring range	-195 ... +650 °C / -319 ... +1202 °F Optional others
Input Types	Resistance thermometer: PT100
Response time	2 sn
Output	2 wire 4-20mA std. 3 wire 4-20mA 0-10V
Load	Current output: 250Ω Voltage output: ≥5K
Current consumption	2 wire : ≤20 mA @24VDC 3 wire : <30 mA @24VDC
Reverse polarity	Yes
Short circuit protection	Yes
Overload protection	Yes
Operating temperature	-40°C ... +85°C
Material	PBT
Dimensions	Diameter: 45mm Height: 27mm

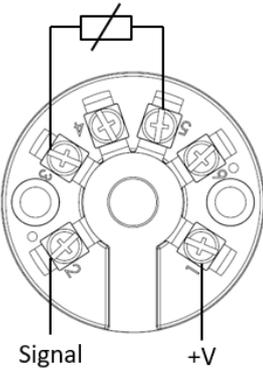
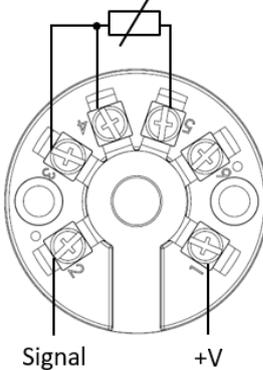
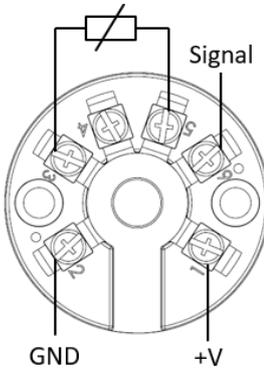
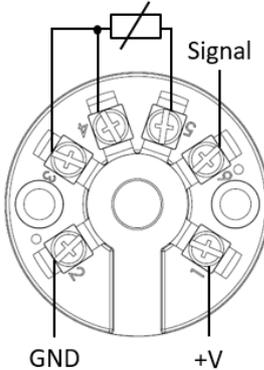
MECHANICAL DIMENSIONS (mm)



TEMPERATURE SENSOR TOLERANCE TABLE (Class B EN60751)

TEMPERATURE (°C)	±°C	±OHM
-200	1.3	0.56
-100	0.8	0.32
0	0.3	0.12
100	0.8	0.30
200	1.3	0.48
300	1.8	0.64
400	2.3	0.79
500	2.8	0.93
600	3.3	1.06
650	3.6	1.13

ELECTRICAL CONNECTION

Transmitter Type	2-wire 4-20mA		3-wire 0-5V, 0-10V, 1-5V, 0-20mA, 4-20mA	
RTD Type	2-wire PT100 Connection	3-wire PT100 Connection	2-wire PT100 Connection	3-wire PT100 Connection
Connection				

ORDER CODE

1-Model

ASC 40

2- Temperature Range

Selectable from -195 to +650 °C (Ask for others)

3- Sensor Type

PT100

4- Output Signal

A: 4-20mA (2-wire)
 A7: 4-20mA (3-wire)
 V: 0-10V